

# o'GRODZISZ?

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- Gravity **7.8 BLG**
- ABV **3 %**
- IBU **13**
- SRM **2.3**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **30.2 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.2 liter(s)**
- Total mash volume **13.6 liter(s)**

## Steps

- Temp **55 C**, Time **0 min**
- Temp **65 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **10.2 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **0 min** at **55C**
- Keep mash **30 min** at **65C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **23.4 liter(s)** of **76C** water or to achieve **30.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	1.5 kg (44.1%)	80 %	3
Grain	Pszeniczny	1.5 kg (44.1%)	85 %	4
Grain	Briess - 2 Row Carapils Malt	0.2 kg (5.9%)	75 %	3
Grain	Acid Malt	0.2 kg (5.9%)	58.7 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	25 g	45 min	4 %
Aroma (end of boil)	Lomik	25 g	10 min	3.8 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM51 Grodzie Dębowe	Wheat	Liquid	30 ml	Fermentum Mobile

## Notes

- Wsypanie sładów w temperaturze 57 stopni, ciągle podgrzewając do pierwszej przerwy  
*May 10, 2017, 6:06 PM*